

---SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANTS: BINIE V. LIPPS AND FREDERICK W. LIPPS  
(ii) TITLE OF INVENTION: SYNTHETIC PEPTIDE FOR  
NEUROLOGICAL DISORDERS

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: JOHN R. CASPERSON  
(B) STREET: PO BOX 2174  
(C) CITY: FRIENDSWOOD  
(D) STATE: TEXAS  
(E) COUNTRY: USA  
(F) ZIP: 77549

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3.5" FLOPPY DISK, 1.44 MB  
(B) COMPUTER: IBM COMPATIBLE  
(C) OPERATING SYSTEM: MS DOS 7.1/ WINDOWS 98  
(D) SOFTWARE: WORDPERFECT 5.1 FOR WINDOWS

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION: PRELIMINARY CLASS

(vii) ATTORNEY/AGENT INFORMATION:

(A) NAME: JOHN R. CASPERSON  
(B) REGISTRATION NUMBER: 28,198  
(C) REFERENCE/DOCKET NUMBER: FWLPATUS013

(viii) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 281-482-2961  
(B) TELEFAX: 281-482-3968  
(C) TELEX:

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 116  
(B) TYPE: AMINO ACID  
(C) STRANDEDNESS: SINGLE  
(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PROTEIN IN SEQ ID NO: 1

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE: COBRA VENOM

(A) ORGANISM: NAJA NAJA

(B) STRAIN: WILD

(C) INDIVIDUAL ISOLATE:

(D) DEVELOPMENTAL STAGE: ADULT

- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

(vii) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

NH2-

Glu-Asp-His-Pro-Val-His-Asn-Leu-Gly-Glu-His-Pro-Val-Cys-Asx-Ser-Thr-Ash-Thr-Trp<sub>20</sub>-Val-Gly-Val-Lys-Thr-Thr-Ala-Thr-Asn-Ile-Lys-Gly-Ala-Ser-Val-Ser-Val-Met-Glu-Asn<sub>40</sub>-Val-Asn-Leu-Asp-Asn-Lys-Val-Tyr-Lys-Gln-Tyr-Phe-Phe-Glu-Thr-Lys-Cys-Arg-Asx-Ser<sub>60</sub>-Asx-Pro-Pro-Glx-Pro-Gly-Cys-Lys-Gly-Ile-Asx-Thr-Glx-His-Trp-Asx-Ser-Tyr-Cys-Thr<sub>80</sub>-Thr-Ser-Asn-Ser-Phe-Ile-Lys-Ala-Leu-Thr-Met-Asx-Glx-Gly-Gln-Ser-Ala-Trp-Arg-Phe<sub>100</sub>-Ile-Arg-Ile-Gix-Thr-Ala-Cys-Val-Cys-Val-Ile-Thr-Lys-Lys-Gly-Asn-COOH

(3) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 15
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PEPTIDE IN SEQ ID NO: 2

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE: SYNTHETIC

- (A) ORGANISM:
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

(vii) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

N L G E H P V C D S T D T W V

(4) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10

- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: LINEAR
- (ii) MOLECULE TYPE: PEPTIDE IN SEQ ID NO: 3
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE:
- (v) FRAGMENT TYPE:
- (vi) ORIGINAL SOURCE: SYNTHETIC

- (A) ORGANISM:
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

- (vii) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
N L G E H P V C D S

(5) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 5
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: LINEAR

- (ii) MOLECULE TYPE: PEPTIDE IN SEQ ID NO: 4
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE:
- (v) FRAGMENT TYPE:
- (vi) ORIGINAL SOURCE: SYNTHETIC

- (A) ORGANISM:
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

- (vii) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
N L G E H